

# 9100 Series VIBRAPLANE Workstations...

## For Load Ranges up to 1300 lbs.

The 9100 Series Vibration Isolation Workstation sets the industry standard for the vast majority of vibration control applications. Designed to isolate sensitive instruments and experiments weighing up to 1300 lbs., the 9100 Series is an efficient, aesthetically and ergonomically styled piece of working furniture. It provides a comfortable work environment that can be customized to its specific use by adding a variety of worksurfaces and accessories. The 9100 provides both vertical and horizontal isolation. Supported by a VibraDamped steel frame with an Active-Air suspension, the worksurface will maintain a preset zero deflection level regardless of load addition or removal.

### Features/Benefits:

- Vertical vibration isolation
- Horizontal vibration isolation
- VibraDamped steel frame
- High performance Active-Air Suspension
- Maintains a preset zero deflection level (regardless of load addition or removal)
- Choice of tabletops
- Choose from 12 sizes
- Ergonomic styling
- Class 10 Cleanroom Compatible —Class 10 available
- Tabletop uplimit travel restraints
- Precise, repeatable leveling accuracy to 0.001" with high accuracy valve

The 9100 Series is available for two load capacities, and is field convertible to desired capacity.

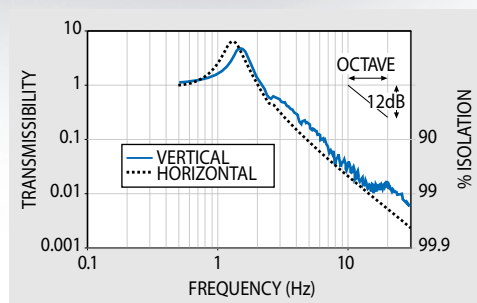
### Applications

- Analytical Balances
- Cell Injection
- Confocal Microscopes
- Patch Clamping
- Optical Microscopes
- Atomic Force Microscopes
- Microscopes

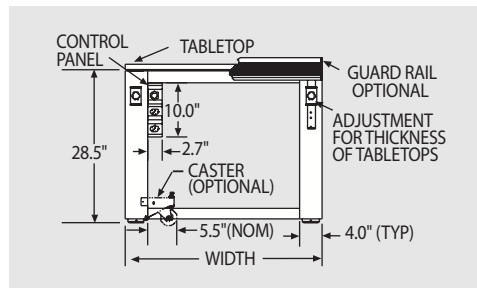
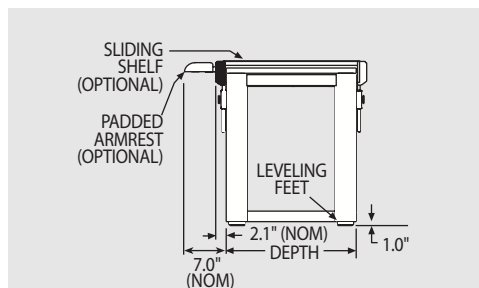


Model 9101-02-45  
shown with optional accessories. See page 18

### Performance Data



Performance data will vary with loads



# Setting the Standard for Quality



## Specifications

### Min. Load @ 20 psi system pressure

Vertical Natural Frequency	1.9 Hz
Isolation Efficiency @ 5 Hz	70%
Isolation Efficiency @ 10 Hz	90%

Horizontal Natural Frequency	2.2 Hz
Isolation Efficiency @ 5 Hz	64%
Isolation Efficiency @ 10 Hz	90%

### Max. Load @ 80 psi system pressure

Vertical Natural Frequency	1.5 Hz
Isolation Efficiency @ 5 Hz	85%
Isolation Efficiency @ 10 Hz	97%

Horizontal Natural Frequency	1.2 Hz
Isolation Efficiency @ 5 Hz	91%
Isolation Efficiency @ 10 Hz	97%

Gross Load Capacity @ 80 psi	
9101	800 lbs. (363 kg)
9102	1300 lbs. (590 kg)

Finish:	
Standard	Linear White Smooth Polyurethane
Class 10	White Epoxy Powder Coat

Note: Typical performance efficiencies are for microdisturbances

## Optional Accessories

Select from the following accessories to build a workstation that satisfies your exacting requirements:

- Guard Rails - Front and Rear
- Side Guard Rails
- Padded Arm Rests
- Retractable Casters - Easily Move your Workstation in the Lab
- Faraday Cage
- Fixed Shelves - Standard and Custom Sizes
- Sliding Shelves - Gain More Tabletop Work Area
- Monitor Support - Offered for Both CRT and FPD
- Keyboard Shelf
- Overhead Rear Equipment Shelf
- Overhead Side Equipment Shelf
- Enclosures - Additional Protection for your Sensitive Equipment
- Portable Air Compressor
- Electrical Outlet Strip
- Class 10 Cleanroom Compatible Finish

See page 18 for Detailed Listing.



Model 9101-02-45  
Shown with optional Faraday Cage with Roll-Up Door, Right Side Controls and Fixed Shelf accessories. See page 18

## Ordering Information

91 <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/>			
<b>Gross Load Capacity (Including Tabletop)</b>		<b>Tabletop Description</b>	<b>Weight lbs/sq.in (kg/sq.m)</b>
01 = Up to 800 lbs (364kg)		00 = No Tabletop	
02 = Up to 1300 lbs (591kg)		21 = 2" (51mm) Composite w/white plastic laminate	.14* (98)
		22 = 2" (51mm) Composite w/stainless laminate	
		23 = 2" (51mm) Composite w/black plastic laminate	
		24 = 2" (51mm) Composite w/antistatic laminate	
<b>Tabletop Size</b>		30 = 4" (101mm) VT Gray granite	.40 (281)
<b>Depth</b>	<b>Width</b>	40 = 2" (51mm) Honeycomb/no holes	.12 (84)
1 = 24" (609mm)	1 = 36" (914mm)	45 = 2" (51mm) SPILLPRUF Honeycomb 1/4-20 x1" centers	
0 = 30" (762mm)	2 = 48" (1219mm)	46 = 2" (51mm) SPILLPRUF Honeycomb M6 x 25mm centers	.15 (105)
2 = 36" (914mm)	3 = 60" (1524mm)	80 = 4" (101mm) Honeycomb/no holes	
	4 = 72" (1828mm)	85 = 4" (101mm) SPILLPRUF Honeycomb 1/4-20 x1" centers	
		86 = 4" (101mm) SPILLPRUF Honeycomb M6 x 25mm centers	

\* 30" x 72", 36" x 60", and 36" x 72" composite tops weigh .11 lb/sq. in.

Note: See Page 18 and 20 for Tabletop Options and Accessories